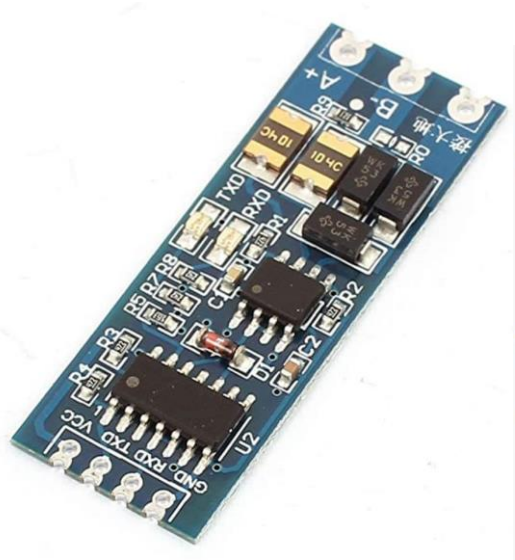
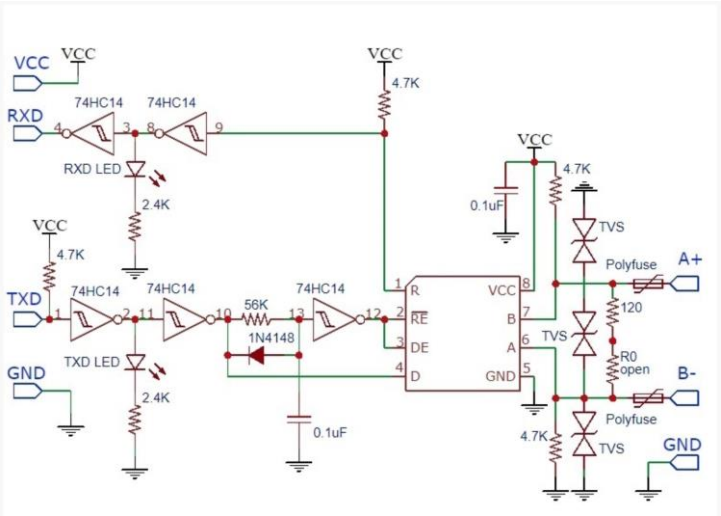
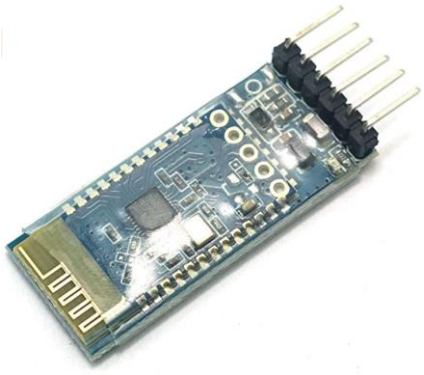
SuSoDevs Interface.

Very easy, only 2 modules are needed, one RS485 to TTL “smart” converter, and a standard Bluetooth v2.0 modules, like the HC-05, HC-06 or SPP-C.





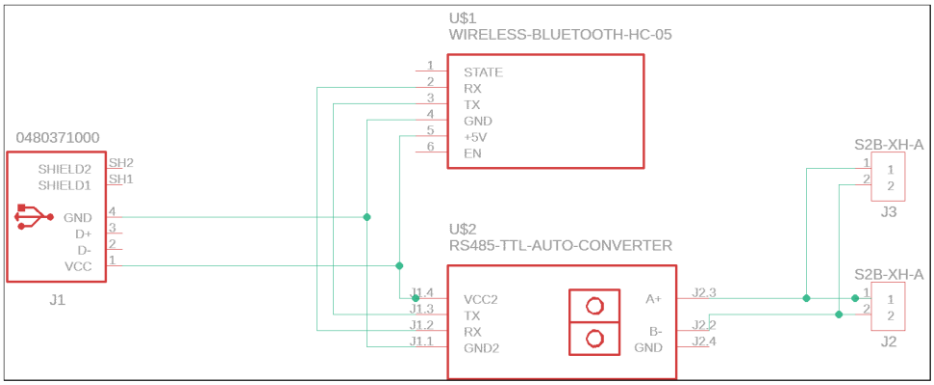
https://www.amazon.es/ARCELI-Adaptador-Puerto-M%C3%B3dulo-convertidor/dp/B07DN115BZ/ref=sr_1_5?__mk_es_ES=%C3%85M%C3%85%C5%BD%C3%95%C3%91&dchild=1&keywords=rs485doll&qid=1622765179&sr=8-5



https://www.amazon.es/05-Bluetooth-transceptor-06-inal%C3%A1mbrica-Transceiver-Comunicaci%C3%B3n/dp/B0722MD4FY/ref=sr_1_11?__mk_es_ES=%C3%85M%C3%85%C5%BD%C3%95%C3%91&dchild=1&keywords=hc-05&qid=1626208512&refinements=p_85%3A831314031&rnid=831276031&rps=1&s=electronics&sr=1-11

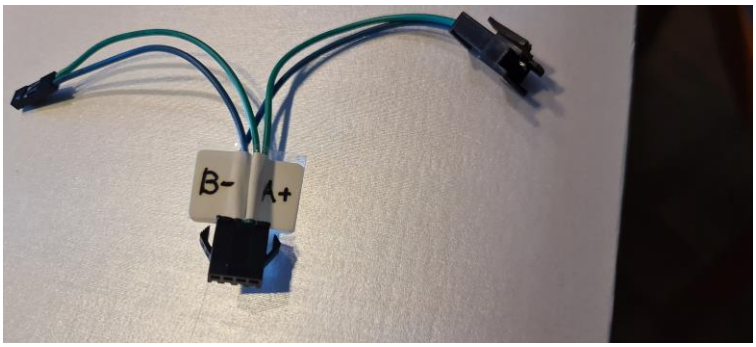
https://www.ebay.es/itm/183679083203?hash=item2ac42062c3:g:IbgAAOSwkCZcYDO4

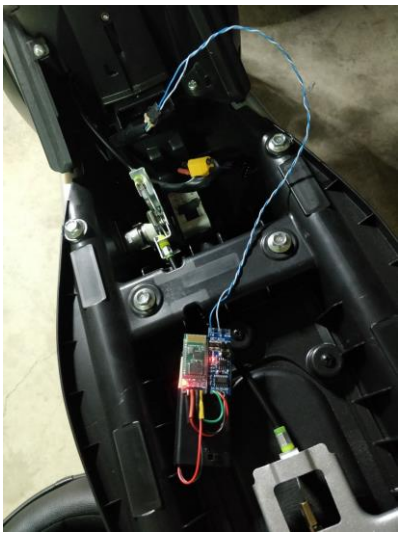
Conexión diagram:

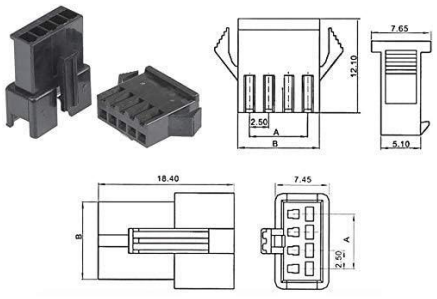


(is not a mistake, in fact TX from one module is connected to TX of the other, and RX to RX. This is because TX and RX are labelled in the RS485 module from the point of view of the RS485 Bus, but from his TTL side is inverted.) Power, from 3,3V to 5V is allowed. In this schema a USB power is drawing.

For commodity, if you don't like to cut or disconnect nothing in your bike, use this "Y" to attach to the connectors below your seat. There you can find a 4 pin female and male that link your bike side charger connector to the internal battery circuit. So opening and inserting this "Y" you have access easily to the RS485 bus of your bike. The two centrals pins are the RS485 signals, B- and A+.



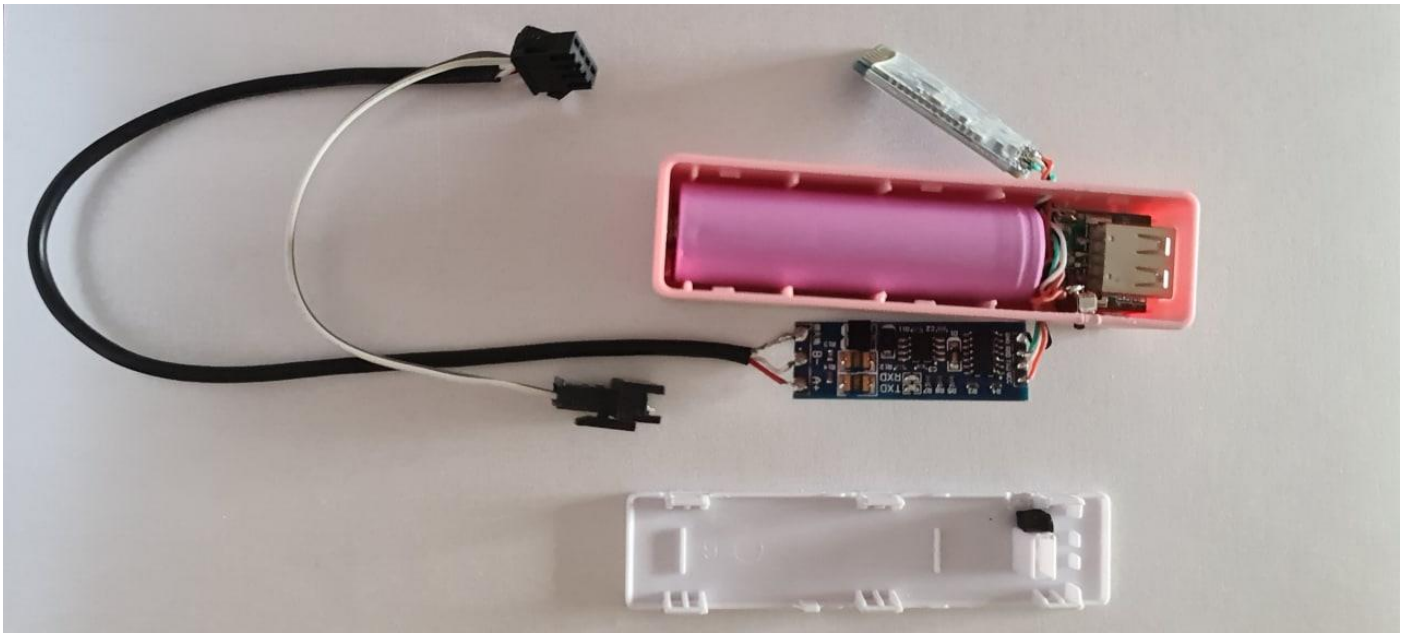


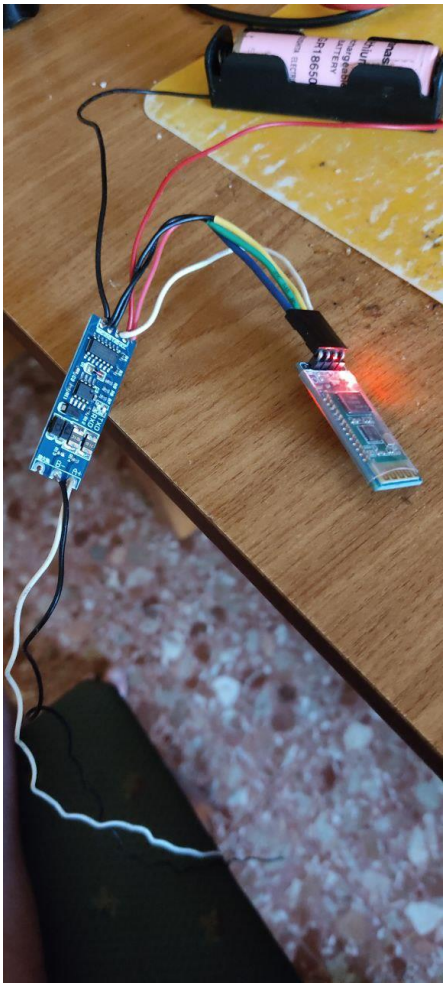


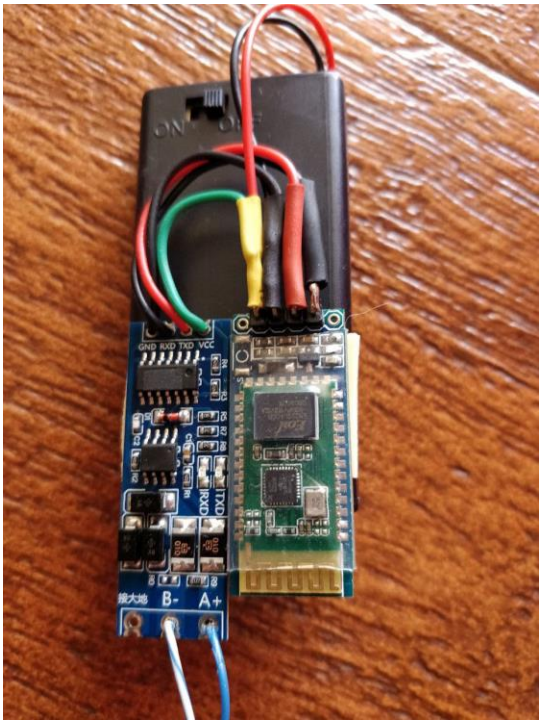
POLES	MODEL	SIZE : mm / inch		QUANTITY
		A	B	
2	SM-2P	2.5 / 0.09	5.5 / 0.21	20
3	SM-3P	5 / 0.19	8 / 0.31	20
4	SM-4P	7.5 / 0.29	10.5 / 0.41	20
5	SM-5P	10 / 0.39	13 / 0.51	20

https://www.amazon.es/gp/product/B08357MWNJ/ref=ppx_yo_dt_b_asin_title_o09_s00?ie=UTF8&psc=1

Some interfaces:






GND RXD TXD VCC
TXD
RXD
接大地
B-
A+